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APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/676,771 10/01/2003 Tsung-Hsin Yu 67,200-1115 7894 **EXAMINER** 7590 03/09/2005 **TUNG & ASSOCIATES** COX, CASSANDRA F Suite 120 ART UNIT PAPER NUMBER 838 W. Long Lake Road Bloomfield Hills, MI 48302 2816 DATE MAILED: 03/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary Examiner		Application No.	Applicant(s)	
Cassandra Cox The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S. C.§ 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 03 December 2004. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is	Office Action Commence	10/676,771	YU, TSUNG-HSIN	
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closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is			
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.			
Disposition of Claims	Disposition of Claims			
4)⊠ Claim(s) <u>1-18</u> is/are pending in the application.				
4a) Of the above claim(s) 2 and 3 is/are withdrawn from consideration.				
5)⊠ Claim(s) <u>1,4-7 and 18</u> is/are allowed.				
6)⊠ Claim(s) <u>8-17</u> is/are rejected.	6)⊠ Claim(s) <u>8-17</u> is/are rejected.			
7) Claim(s) is/are objected to.	7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or election requirement.	8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers				
9) The specification is objected to by the Examiner.	9)☐ The specification is objected to by the Examiner	•		
10)⊠ The drawing(s) filed on <u>03 December 2004</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119	Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s)	Attachment(s)			
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 6) Other:	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) 🔲 Notice of Informal Pa		

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DETAILED ACTION

Claim Rejections - 35 USC § 112

- 1. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 2. Claims 8, 10-11, 14 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 8, 10, and 14 are indefinite because the claims are misdescriptive. It is not clear to the examiner which element applicant is calling the first and second transistors having the second conductivity (N-type). The claimed connections do not correspond with the figures or the description in the specification. Applicant appears to flip-flop between claims as to how the first and second N-type transistors are connected. For example in claim 8, lines 18-19, the applicant states that "a substrate and a source region of said first transistor having said second conductivity are electrically connected to ground" and on page 7 of the amendment the applicant amended claim 8 to also say that "a drain region of said first transistor having the second conductivity, a gate of the third transistor having the first conductivity and a gate of the third transistor having the second conductivity are electrically connected to said output terminal of said Schmitt Trigger circuit" this is not possible based on the examiner's study of the drawings and the specification. In claim 10 applicant states "a drain region of said second N-type transistor is electrically connected to a source region of said first N-type transistor". This does not correspond with the drawings or the specification. Also in claim 10

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applicant claims "a source region of said third N-type transistor is electrically connected

type transistor". The examiner cannot determine which of transistors 360 and 380 are

to a source region of said first N-type transistor and a drain region of said second N-

the first and second transistors based on the claims as worded. In some cases it

appears that applicant refers to transistor 360 as the first transistor and in other cases it

appears that applicant refers to transistor 380 as the first transistor. These are just

some examples of the inconsistencies noted by the examiner. Similar inconsistencies

were found in claim 14 also, applicant is advised to carefully review the claims and

correct them to correspond with the figures and specification and to clear up

inconsistencies within the claims themselves.

Claim 11 is indefinite because the claim is misdescriptive. How is the gate of the fourth P and N-type transistors connected to the input terminal of the second inverter?

How is the drain of the fourth P and N-type transistors connected to the output terminal of the second inverter?

Correction or clarification is required.

Claims 9, 12-13, and 15-17 are also rejected due to the limitations of the base claims and any intervening claims.

Allowable Subject Matter

- 3. Claims 1, 4-7, and 18 are allowed.
- 4. Claims 9, 11-13, and 15-17 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

5. Claims 8, 10, and 14 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

6. The following is an examiner's statement of reasons for allowance: Claims 1, 4-7, and 18 are allowed because the closest prior art of record fails to disclose a circuit as shown in Figure 4 wherein the input terminal (128) of the power-on bias circuit is further in electrical communication with a core voltage input terminal (118) in combination with the rest of the limitations of the base claims and any intervening claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cassandra Cox whose telephone number is 571-272-1741. The examiner can normally be reached on Monday-Thursday from 7:00 AM to 4:30 PM and on alternate Fridays from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

February 25, 2005

TIMOTHY P. CALLAHAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800